NODE, METHOD AND COMPUTER READABLE MEDIUM FOR INSERTING AN INTRUSION PREVENTION SYSTEM INTO A NETWORK STACK

ABSTRACT OF THE INVENTION

5   A node of a network running an intrusion detection system, the node comprising a central processing unit, a memory module for storing data in machine readable format for retrieval and execution by the central processing unit, a database for storing a plurality of machine-readable network-exploit signatures, an operating system comprising a network stack comprising a protocol driver, a media access

10   control driver and an instance of the intrusion detection system implemented as an intermediate driver and bound to the protocol driver and the media access control driver is provided. A method of filtering data at a node of a network comprising binding an intrusion prevention system directly to a media access control driver of a network stack of a node of the network is provided. A computer-readable medium

15   having stored thereon a plurality of instructions, including a set of instructions for filtering network data, to be executed, said set of instructions, when executed by a processor, cause said processor to perform a computer method of binding an intrusion prevention system with a media access control driver upon initialization of an operating system of the computer is provided.

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